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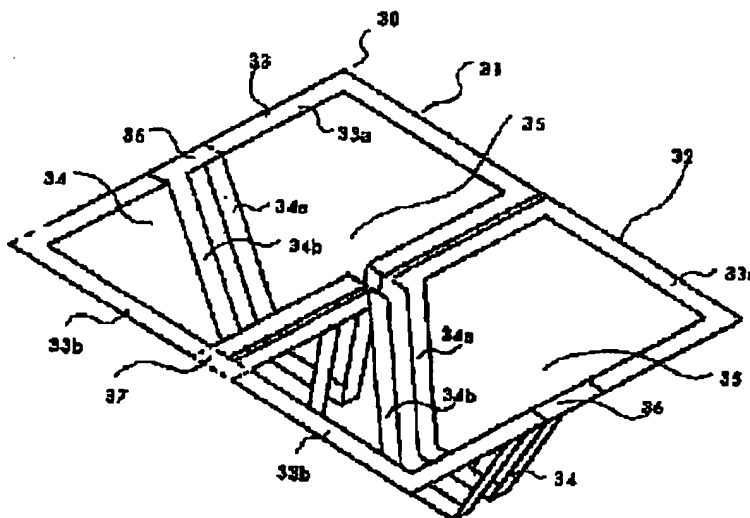
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**(54) HIGH FREQUENCY
COIL FOR MAGNETIC
RESONANCE IMAGING
DEVICE**

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a high frequency coil for photographing breasts having a high S/N ratio.

SOLUTION: The high frequency coil 30 consists of a parallelly arranged coils and each coil is provided with a rectangular part 33 and a curved part 34 to constitute a recess part 35 housing a breast of these parts 33 and 34. The part 33 is separated into a rectangular part 33a on an upper side and a rectangular part 33b on a lower side at a nearly central part and connected with a curved part 34a on the upper part and a curved part 34b on the lower part at this part. The order of connection is the rectangular part on the upper part - the curved part on the upper side - an overlapped part 35 - the rectangular part on the lower part - the curved part on the lower side - an overlapped part the rectangular part on the upper part. Concerning the drawing of a terminal from both coils, three terminals: one terminal of both coils and a common terminal: are drawn in advance and a sliding type switch is interposed between the high frequency coil and a transmission/reception circuit to switch this switch.



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